

GEORGIA
STATE DIVISION OF CONSERVATION
DEPARTMENT OF MINES, MINING AND GEOLOGY
GARLAND PEYTON, Director

THE GEOLOGICAL SURVEY
Bulletin Number 70

WELL LOGS OF THE
COASTAL PLAIN OF GEORGIA

by

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United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

Potential Water-Bearing Zones:

	Thickness (feet)	Depth (feet)
Sand: coarse-grained	6	92
Sand: coarse-grained	15	200
Sand: coarse-grained	19	319
Sand: coarse-grained	4	371
Sand: coarse-grained	20	676
Sand: coarse-grained	11	715
Sand: coarse-grained	5	975
Sand: coarse-grained	20	1,220

HOUSTON COUNTY

Location: Southeast corner of Land Lot 266, 14th Land District
 Well No.: GGS 194
 Elev.: 364
 Owner: No. 1 H. B. Gilbert
 Driller: Tricon Minerals, Inc.
 Drilled: September 1949

	Thickness (feet)	Depth (feet)
Oligocene and Eocene (Undifferentiated):		
Clay: yellowish-green to red (mottled), blocky, carbonaceous, somewhat sandy; and limestone, cream colored, cherty, fossiliferous (bryozoan remains)	30	30
Limestone: as above	38	68
Sand: fine to medium-grained, angular	21	89
Clay: dark-green to tan to red (mottled), sandy; limestone, as above; and sand, fine to medium grained	30	119
Sand: fine to medium-grained	31	150
No samples	40	190

In Paleocene: Midway Group: Clayton Formation:

Clay: dark-brown, blocky, lignitic; and sand, fine to coarse-grained, pyritiferous	15	205
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Upper Cretaceous: Providence Sand:

Sand: fine to coarse, angular, arkosic, pyritiferous; and thin beds of clay (or kaolin), mottled, sandy, micaceous	180	385
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Ripley and Cusseta (Undifferentiated):

Clay: bluish-gray to black, carbonaceous, micaceous, sideritic, pyritiferous; some sand, fine to coarse-grained, arkosic, pyritiferous	95	480
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	Thickness (feet)	Depth (feet)
Sand: fine to coarse-grained, arkosic, pyritiferous; and thin beds of clay (or kaolin), gray to red (mottled), micaceous, sandy	340	820
Blufftown and Eutaw (Undifferentiated):		
Sand: fine to coarse-grained, arkosic; and thin beds of clay, dark-brown, fissile, lignitic, micaceous, somewhat sandy.....	90	910
Tuscaloosa Formation:		
Sand: fine to coarse-grained, massive, arkosic, pyritiferous; interbedded clay (or kaolin), white to gray (mottled), micaceous, sandy	285	1,195
Sand: as above; interbedded clay, green to red (somewhat mottled), iron-stained, somewhat fissile, micaceous, sandy.....	265	1,460
Sand: coarse-grained, arkosic, massive.....	95	1,555
Lower Cretaceous(?) (Undifferentiated):		
Clay: brick-red, sandy, highly micaceous.....	130	1,685
Basement Complex (Undifferentiated):		
Crystalline rock	13	1,698

Summary:

Oligocene and Eocene (undifferentiated).....	150	150
No samples	40	190
In Paleocene (Clayton formation).....	15	205
Upper Cretaceous (Providence sand).....	180	385
Upper Cretaceous (Ripley and Cusseta, undifferentiated).....	435	820
Upper Cretaceous (Blufftown and Eutaw, undifferentiated).....	90	910
Upper Cretaceous (Tuscaloosa formation).....	645	1,555
Lower Cretaceous (?) (undifferentiated).....	130	1,685
Basement complex (undifferentiated).....	13	1,698

Potential Water-Bearing Zones:

Sand: fine to coarse-grained.....	21	89
Sand: fine to coarse-grained.....	31	150
Sand: fine to coarse-grained.....	30	270
Sand: fine to coarse-grained.....	60	385
Sand: fine to coarse-grained.....	125	675
Sand: fine to coarse-grained.....	125	960
Sand: fine to coarse-grained.....	205	1,195
Sand: fine to coarse-grained.....	95	1,555